

ABSTRACT OF THE DISCLOSURE

A bandwidth management apparatus determines, when a call whose communication information is to be transmitted as a sequence of datagrams is assigned, a link to be used for transmitting the communication information, judges whether there exists a surplus bandwidth in sections of the determined link, and allocates the call to a bandwidth necessary for transmitting the communication information when the judgement result is true, and informs a node that is involved in call setup for the call about the judgement result. Also disclosed are an address resolution assistance apparatus that cooperates with the bandwidth management apparatus, a band managing method, and an address resolution assisting method which realize the respective apparatuses. In a network to which the invention is applied, good speech quality can be stably maintained irrespective of its configuration and scale.